From the INTERNATIONAL SEARCHING AUTHORITY To: ANITA L. MEIKLEJOHN FISH & RICHARDSON P.C. 225 FRANKLIN STREET WRITTEN OPINION OF THE BOSTON, MA 02110-2804 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing 2005 12 MAY (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraph 2 below 14184-051WO1 International filing date (day/month/year) Priority date (day/month/year) International application No. 18 October 2004 (18.10.2004) PCT/US04/34385 18 October 2003 (18.10.2003) International Patent Classification (IPC) or both national classification and IPC IPC(7): A01N 43/40,43/64,43/78,43/76,43/80,43/56; A61K 31/435,31/44,31/41,31/425,31/42,31/415; C07D 207/00 and US C1.: 514/277,332,334,335,359,365,372,374,378,403; 548/400; 546/1 Applicant MICROBIA, INC. 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II **Priority** Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Lack of unity of invention Box No. IV Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Gregory W. Mitchell

Telephone No. 571-272-0600

Form PCT/ISA/237 (cover sheet) (January 2004)

Alexandria, Virginia 22313-1450

Commissioner for Patents

P.O. Box 1450

Facsimile No. (703) 305-3230

International application No.

PCT/US04/34385

DOZIV	0. 1 Basis of this opinion
	regard to the language, this opinion has been established on the basis of the international application in the language in which it
was f	iled, unless otherwise indicated under this item. This prince has been established on the basis of a translation from the original lenguage into the following language.
∟ .	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With inven	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
Ъ.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Addi	tional comments:
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P	T/ISA (227/Box No. D. (Jamery 2004)

International application No.

PCT/US04/34385

Box No	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
	e questions whether the claimed invention appears to be nov ustrially applicable have not been examined in respect of:	el, to involve an inventive step (to be non-o	bvious), or to be					
	the entire international application		:					
	claims Nos. <u>28,30,32,34,36,40,43</u> and <u>44</u>							
becau	eause:	·						
	7							
. []	the said international application, or the said claim Nos relate to the following subject matter which does not require an international preliminary examination (specify):							
			-					
	•	•						
	•	· -	•					
. '	•		,					
			•					
\boxtimes	the description, claims or drawings (indicate particular		32,34,36,43 and 44 are so					
• .	unclear that no meaningful opinion could be formed (sp							
	The claims are improper multiple dependent cl	aims.	·					
			•					
		•						
			·					
<u>.</u>								
	the claims, or said claims Nos are so inadequatel formed.	y supported by the description that no mean	ningful opinion could be					
	no international search report has been established for se	eid claims Nos						
	J the nucleotide and/or amino acid sequence listing do Administrative Instructions in that:	es not comply with the standard provided	I for in Annex C of the					
	the written form has no	t been furnished						
		ot comply with the standard						
		t been furnished						
	does n	ot comply with the standard	•					
	the tables related to the nucleotide and/or amino acid see the technical requirements provided for in Annex C-bis	-	only, do not comply with					
	See Supplemental Box for further details.		•					
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International application No. PCT/US04/34385

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Box No. V Reasoned statement under Rule 4 applicability; citations and explan		-	r industrial
1. Statement			
Novelty (N)	Claims	Please See Continuation Sheet	YES
		Please See Continuation Sheet	NO
Inventive step (IS)	Claims	Please See Continuation Sheet	YES
	Claims	Please See Continuation Sheet	NO
T. 1. 4. 1 - malia - Lili4 - /T A N	01-1	Diana Cas Castina di a Ci	
Industrial applicability (IA)		Please See Continuation Sheet Please See Continuation Sheet	YES NO
	Ciamis	I was per continuation plicet	140
2. Citations and explanations:			
a. Vinneral men vigamente and			
Claims 1-2, 5, 9-10, 13-21 and 38-39 lack novelty over	er THOMSEN	et al. because THOMSEN et al. discloses a co	ompound as instantly
claimed.			
Claims 1-23 and 38-39 lack an inventive step over '09 compounds as herein claimed. '098 and '505 also tead			
Claims 1-2, 5, 9-10, 13, 23, 26-27, 29, 31, 35 and 38-claimed (e.g. valdecoxib, parecoxib, etc.). Pharmacer neuropathic pain, etc.), inflammation, neurological di	utical composi		
Claims 24-25, 33, 37, 41 and 42 lack an inventive ste valdecoxib, parecoxib, etc.). Pharmaceutical composetc. Accordingly, it would have been obvious to one neurological disorders (e.g. insomnia, anxiety, etc.).	itions are discl	osed for the treatment of pain, inflammation,	neurological disorders,
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Supplemental	l Box	

In case the space in any of the preceding boxes is not sufficient.

V.1. Reasoned Statements:

The opinion as to Novelty was positive (Yes) with respect to claims 3-4, 6-8, 11-12, 22, 24-25, 33, 37, 41-42

The opinion as to Novelty was negative (No) with respect to claims 1-2, 5, 9-10, 13-21, 23, 26-27, 29, 31, 35, 38-39

The opinion as to Inventive Step was positive (Yes) with respect to claims NONE

The opinion as to Inventive Step was negative (NO) with respect to claims 1-27, 29, 31, 33, 35, 37-39, 41-42

The opinion as to Industrial Applicability was positive (YES) with respect to claims 1-27, 29, 31, 33, 35, 37-39, 41-42

The opinion as to Industrial Applicability was negative(NO) with respect to claims NONE